

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Claims 1. - 36 (Cancelled)

37. (Currently amended) An electronic device for outputting a signal configured according to at least one control parameter value of a patient, comprising:

- (a) an electronic data recording device configured for receiving a prior blood glucose ~~disease control parameter~~ value;
- (b) a memory comprising one or more optimal blood glucose ~~disease control parameter~~ values, self-care values of a patient, optimal self-care values, and one or more scaling factors for weighing the impact on a future blood glucose value and that are customized to an individual patient to predict the effect on the blood glucose of self-care actions performed by the individual patient;
- (c) a microprocessor, in communication with said electronic data recording device and said memory, programmed to calculate a further value, said further value being based on said self-care values, said disease control parameter values, and said scaling factors; and
- (d) a display configured to display information according to said further value, thereby enabling the patient to select appropriate self care actions.

38. (Previously presented) The device of claim 37, further comprising a housing, wherein said memory and said microprocessor are housed within said housing, and further comprising an output port, said output port is integral with said housing, thereby providing a hand-held, readily transportable device.

39. (Previously presented) The device of claim 38, wherein said electronic data recording device is arranged within said housing.

Claims 40. - 50. (Canceled)

51. (Previously presented) The device of claim 37, wherein said processor is programmed to calculate a plurality of future blood glucose values representative of a corresponding plurality of expected blood glucose concentrations of the patient.

52. (Previously presented) The device of claim 37, further comprising an output port coupled to said processor for establishing a communication link between said device and a healthcare provider computer and for transmitting and receiving data therebetween.

53. (Previously presented) The device of claim 52, wherein said device further comprises a modem for establishing said communication link through a communication network.

54. (Previously presented) The device of claim 52, wherein said output port comprises an input/output port for establishing said communication link through a connection cord.

Claims 55. - 61. (Canceled)

62. (Currently amended) The device of claim 51, wherein said display is configured for displaying ~~said~~ future blood glucose values in graphical form.

Claims 63. - 66. (Canceled)

67. (Currently amended) The device of claim 37, wherein the electronic data recording device further comprises a glucose measurement device for measuring the prior blood glucose ~~disease control-parameter~~ value, and wherein the measured blood glucose ~~disease control-parameter~~ value is stored in the memory.

68. (Currently amended) The device of claim 67, wherein the glucose measuring device comprises a blood glucose meter.

Claims 69. -79. (Canceled).